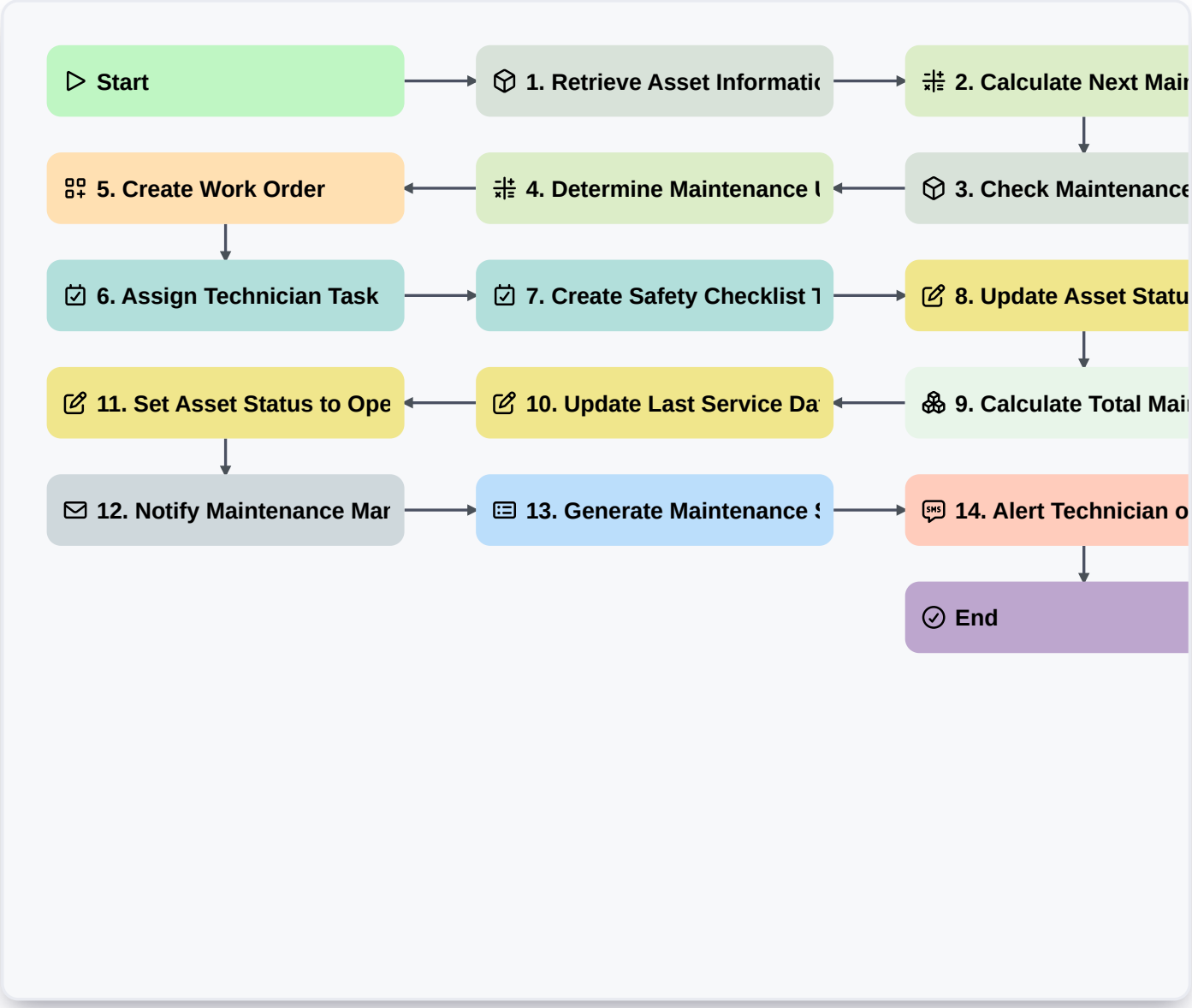
ChecklistGuro

Optimized Preventive Maintenance Workflow & Asset Lifecycle Management Process



Start
Start of the Workflow/Process.

1. Retrieve Asset Information
Fetch asset details, including last service date and criticality, from the Asset Data Model.

2. Calculate Next Maintenance Date
Calculate the next scheduled maintenance date by adding the maintenance interval to the last service date.

3. Check Maintenance Threshold
Retrieve the predefined threshold values for equipment wear or operating hours.

4. Determine Maintenance Urgency
Compare current usage/age against thresholds to determine if maintenance is overdue or upcoming.

5. Create Work Order
Generate a new Work Order entry in the Maintenance Request Data Model with the calculated urgency.

6. Assign Technician Task
Create a task assigned to the relevant maintenance technician to perform the physical inspection.

7. Create Safety Checklist Task
Create a sub-task containing the standardized safety inspection checklist for the technician.

8. Update Asset Status
Update the Asset Data Model status to 'Under Maintenance' once the work order is active.

9. Calculate Total Maintenance Cost
Sum the costs of parts and labor entries linked to the completed work order.

10. Update Last Service Date
Update the 'Last Maintenance Date' in the Asset Data Model upon successful task completion.

11. Set Asset Status to Operational
Change the Asset Data Model status back to 'Operational' after maintenance completion.

12. Notify Maintenance Manager
Send an email notification to the manager summarizing the completed maintenance and total costs incurred.

13. Generate Maintenance Summary Report
Create a PDF report detailing the work performed, parts used, and downtime duration for the asset.

14. Alert Technician of Urgent Repair
Send an SMS alert to the technician if a critical or emergency repair task is created.

End
End of the Workflow/Process.